

Please amend the subject application as follows:

IN THE CLAIMS:

Please accept amended claims 1, 2, 5, 22-23 and 25-26 and new claim 29 as follows:

1. (Currently Amended) A display device for a vehicle having a seat, comprising:

an assembly housing adapted to mount the display device for view by a passenger at a rear seat;

a receiver adapted to receive at least one of video signals and audio signals corresponding to at least two audio programs from at least two input sources; and

at least one wireless transmitter operatively coupled to said receiver~~[[,]]~~ and adapted to wirelessly transmit the audio signals from the at least two input sources to each wireless headphone set of a plurality of headphone sets ~~[[as a], wherein:~~

a first audio program of the at least two audio programs is separated into a first left [[audio]] channel and a first right [[audio]] channel,

a second audio program of the at least two audio programs is separated into a second left channel and a second right channel, each of the channels having a different frequency ~~for each wireless headphone set of the plurality of wireless headphone sets;~~ and being simultaneously transmitted to each wireless headphone set, and

~~wherein~~ said display device is adapted to reproduce the video signals for viewing by the passenger; ~~and~~

~~wherein the at least two input sources comprise one input source providing first~~

~~audio signals to one wireless headphone set of the plurality of wireless headphone sets and a second input source providing second audio signals to a second wireless headphone set of the plurality of wireless headphone sets.~~

2. (Currently Amended) The display device according to claim 1, wherein the audio signals are wirelessly transmitted as at least one of radio frequency and infrared signals.

3. (Original) The display device according to claim 1, wherein said receiver receives an input signal from an external media source.

4. (Original) The display device according to claim 3, wherein the external media source includes at least one of a television tuner, a video cassette player (VCP), a compact disk (CD) player, a digital video disk (DVD) player, an AM/FM radio, a video game player, global navigation data, and e-mail.

5. (Currently Amended) The display device according to claim 1, further comprising signal processing facilities adapted to perform at least one of signal processing and signal conversion, with respect to ~~at least one of~~ the audio signals and the video signals.

6. (Original) The display device according to claim 5, wherein said signal processing facilities are adapted to perform at least one of digital signal processing,

encoding, decoding, encrypting, decrypting, compressing, decompressing, analog-to-digital conversion (ADC), digital-to-analog conversion (DAC), and error correction.

7. (Original) The display device according to claim 1, wherein said display device employs one of a liquid crystal display (LCD), light emitting diodes (LEDs), and a gas plasma.

8. (Original) The display device according to claim 7, wherein said liquid crystal display is based upon one of active matrix technology and passive matrix technology.

9. (Original) The display device according to claim 1, wherein said display device employs touch screen technology.

10. (Original) The display device according to claim 1, wherein said display device includes one of picture-in-picture and split screen capability.

11. (Canceled)

12-14. (Canceled)

15. (Previously Presented) The display device according to claim 1, wherein the display device further comprises a video bus and an audio bus.

16. (Previously Presented) The display device according to claim 15, wherein said video bus is coupled to said display device and said audio bus is coupled to said at least one wireless transmitter.

17. (Previously Presented) The display device according to claim 1, wherein said at least one wireless transmitter comprises an optical transmitting device and at least one wireless headphone set comprises a photosensitive device.

18. (Previously Presented) The display device according to claim 1, wherein said at least one wireless transmitter and at least one wireless headphone set comprise an antenna.

19. (Previously Presented) The display device according to claim 1, wherein at least one wireless headphone set comprises a digital-to-analog converter.

20. (Original) The display device according to claim 1, wherein said at least one wireless transmitter is adapted to transmit the audio signals based on Code-Division Multiple Access (CDMA) technology.

21. (Original) The display device according to claim 20, further comprising signal processing facilities, and wherein at least some CDMA operations are performed by said signal processing facilities.

22. (Currently Amended) The display device according to claim 20, wherein the first and second left [[audio]] channels and the first and second right [[audio]] channels ~~of the audio signals~~ are coded separately.

23. (Currently Amended) The display device according to claim 20, wherein at least one wireless headphone set comprises a selector for selecting one of a plurality ~~of the~~ at least two audio signals programs for audio reproduction.

24. (Previously Presented) The display device according to claim 20, wherein at least one wireless headphone set comprises at least one of a Walsh code generator and pseudo random number (PN) sequence generator for decoding the audio signals.

25. (Currently Amended) A display device for a vehicle having a seat, comprising:

an assembly housing adapted to mount the display device for view by a passenger at a rear seat;

a video bus adapted to couple video signals from external media sources;

an audio bus adapted to couple audio signals from the external media sources;

and

at least two wireless transmitters operatively coupled to said audio bus,

wherein a first wireless transmitter is adapted to wirelessly transmit the audio signals from a first external media source to a first wireless headphone set as a first left audio channel and a first right audio channel,

wherein a second wireless transmitter is adapted to wirelessly transmit the audio signals from a second external media source to a second wireless headphone set as ~~[[the]]~~ a second left audio channel and ~~[[the]]~~ a second right audio channel, each of the first and second left audio and right audio channels having a different frequency ~~for each of the first and second wireless headphone sets~~, and

wherein said display device is adapted to reproduce the video signals for viewing by the passenger.

26. (Currently Amended) A display device for a vehicle having a seat, comprising:

an assembly housing adapted to mount at the display device for view by a passenger at a rear seat;

a bus adapted to couple at least one of video and audio signals from each of at least two input sources; and

at least two wireless transmitters operatively coupled to said bus,

wherein a first wireless transmitter is adapted to wirelessly transmit the audio signals from ~~[[the]]~~ one of the two input sources to a first wireless headphone set,

wherein a second wireless transmitter is adapted to wirelessly transmit the audio signals from the other of the two input sources to a second wireless headphone set,

wherein the first and second wireless transmitters each include a multiplexer adapted to select the one or the other of the two input sources whose audio signals are to be wirelessly transmitted to the first or second wireless headphone sets, and

wherein said display device is adapted to reproduce the video signals for viewing by the passenger.

27. (Previously Presented) The display device according to claim 1, wherein the at least two input sources comprise signals from a video signal generating device and signals from an audio signal generating device.

28. (Canceled)

29. (New) The display device according to claim 25, wherein the first and second wireless transmitters each include a multiplexer adapted to select the first or the second external media source whose audio signals are to be wirelessly transmitted to the first or second wireless headphone sets.